

Session #	Poster #	First Name	Last Name	Institution	Abstract Title
2	369	Amy	Acosta	Florida International University	Making Primary Scientific Literature Exciting! A Novel Method for Bringing Research into the Classroom
2	307	Kehinde	Adekoya	Hillsborough Community College	Water Purification Methods That Can Be Used in Haiti
2	407	Honour	Adewumi	Jarvis Christian College	Chemotherapy-Induced ECM Remodeling Creates a Pre-Metastatic Niche
1	269	Uchechukwu	Agali	Harris-Stowe State University	A Comparison of Thermal Effects on Male Signals and Female Preferences Across Populations of the Treehopper <i>Enchenopa binotata</i>
3	146	Teresa	Aguayo	Missouri State University	Age of Rain Gardens Does Not Play a Role in Rain Garden Infiltration Rates
4	185	Manuel	Aguero	Seward County Community College	Exfoliating Hexagonal Boron Nitride by Etching
3	1	Clement	Agyemang	University of Arkansas at Pine Bluff	Determining Protein-Protein Interactions that Regulate Helicase Activity
4	177	John-Paul	Akinbami	Morgan State University	Microwave Synthesis of Rhenium Pentylcarbonato Complexes
2	187	Khayra	Alabrash	Morgan State University	The Synthesis of Organorhenium Complexes as Breast Cancer Drugs
2	334	Katherine	Alanya	Stony Brook University	Green Synthesis of Metal Nanoparticles Using Electrochemically Deposited Chitosan
3	111	Parion	Alexander	Alabama A&M University	Optimizing the Fabrication Process of a CdZnTeSe Nuclear Detector
2	315	Ashley	Alfred	Southern University A&M College	Title: Studying the Effects of Proton Therapy on Human Tissue Using the Pennes Bio-Heat Equation
2	188	Kemryn	Allen-Perry	Fayetteville State University	Surface-Enhanced Resonance Raman Scattering of Rhodamine B in Thin Films of Multilayer Ti3C2Tx MXene Nanosheets
2	335	Anna	Alvarez	University of Illinois at Urbana Champaign	Responsive Liquid Crystal Films for Micro Robotic Applications
2	16	Shaneaka	Anderson	Edward Waters College	Localized Expression of Pthlh in the Tendon-Bone Attachment of Normal and Fgf9 Mutant Mice
3	446	Olamide	Antonio Ajibona	Virginia State University	Information Collecting Drone
1	50	Mercy	Arkorful	Morgan State University	WAVE2 Differential Gene Expression and its Link to Hypertension Health Disparities in Women
3	292	Kadrian	Armstrong	Tougaloo College	Disentangling the Effects of Mass Mortality Events on Soil Food Webs
3	383	Assata	Armstrong-Parham	Bowie State University	Does #MeToo Include Me? An Analysis of Cross-Cultural Perceptions of Inclusivity in the Current Feminist Movement
1	455	Adrian	Astros	Florida International University	Characterization of Conductive Materials for RF Applications
1	234	Jahmelia	Atkinson	Fort Valley State University	Continuous Authentication of Smartphone Users: Touchscreen interactions
3	358	Taylor	Avery	Rowan University	Fabrication of Magnesium Diboride Thin Film on the Inner Wall of 3GHz Copper Cavity
3	147	Karen Mae	Bacalia	University of Guam	Transcript Regulation in Iron Deficient Arabidopsis thaliana Plants
1	326	Briah	Bailey	Claflin University	Synthesizing Solid-State Electrolytes for Lithium-Ion Batteries
1	98	Brittany	Baker	Oakland University	Understanding the Feeding Ecology of Placopecten Magellanicus using DNA barcoding

2	316	Lanjing	Bao	Georgia Gwinnett College, GA	Mathematical Modeling and Optimal Control for Malaria Transmission Using Sterile Mosquitoes Technique and Insecticide-Treated Nets
2	263	Kirk	Barclay	New York City College of Technology	Analysis of Land Surface Temperature in Urban Areas using an Unmanned Aerial Vehicle (UAV) and Satellite Observations
2	264	Thierno	Barry	The City College of New York	Understanding the Influence of Extreme Weather Disasters on Global Rice Production
1	456	Jailyn	Battle	Norfolk State University	Heart Rate Detection Using A Piezoelectric Sensor
1	454	Justin	Baymon	Mississippi Valley State University	Breaking the norm - Becoming Energy Efficient in the Mississippi Delta
1	165	Henock	Befekadu	Carleton College	Characterization of Novel Anti-Malarial Therapeutics Using Fluorescence Polarization
2	112	Natashia	Benjamin	University of the District of Columbia	Using Mathematical Models to Investigate the Infection Dynamics of Henipaviruses in Cell Culture
1	166	Zachary Bennett	Bennett	Valparaiso University	Substrate Scope Analysis of Biocatalytic Halogenation on Complex Substrates
3	466	Jayla	Berry	Benedict College	Fabrication, Characterization & Evaluation of Magnetic Iron Oxide Nanoparticles from Waste Pharmaceuticals
2	377	Ramya	Beuford	Harris-Stowe State University	Metacognitive Development In Introductory Biology
2	113	Jada	Bibb	Alabama Agricultural and Mechanical University	Apple Cider Vinegar Antimicrobial Activity: Pathogenic Bacteria and Probiotic Lactobacillus acidophilus
1	270	Rustin	Bielski-Pimlott	Salish Kootenai College	Potential Effects of Anthropogenic Change on Plant-bumble Bee Interactions
2	189	Mya	Blakeney	Southern University and A&M College	Simultaneous Online SPE-HPLC-Emission Analysis of TEOS Doped with Novel Osmium Complex and NSAIDs - Method Development and Validation
1	327	Diamond	Boddie	Clark Atlanta University	Computational Study on the Binding Affinities of Hydrophobic Aliphatic $\alpha$ -Amino Acids on Graphene
3	31	Maia	Bolden	Alabama State University	Impact of Drug Delivery Vehicles in Cancer Therapy
2	114	Morgan	Bond	Norfolk State University	The Role of MicroRNA21 in Proinflammatory Neutrophils
2	408	Kasheena	Box	Atlanta Technical College	Assessing the Ability of Mesenchymal Stem Cells to Reduce Muscle Atrophy After Rotator Cuff Tear
1	473	Allen	Bradley	Lincoln University (MO)	The Effect of Algorithms and Bias on the Information Presented to College Students: HBCU and PWI
1	271	Camille	Bradshaw	Dodge City Community College	Impact of Iron Mineral on pH Limits of Iron Reduction by Geobacter Metallireducens
1	99	Chyna	Branch	Norfolk State University	The Behavioral Effects of Tarsi Ablation in Drosophila recens.
3	297	Kamaya	Brantley	University of Georgia	Effects of Inoculating Maize Using the Nitrogen-Fixing Bacteria Burkholderia in Sterile Soil
3	148	Tamarah	Bratcher	Spelman College	A Study on the Effect of Ectopically Expressing InvINH1 by RGP3 Promoter on Embryo Growth Rate in Arabidopsis
1	457	Frederick	Brooks	Lawson State Community College	Creating a Homogenization Mixing Device for Liquid Crystal Solutions

4	178	Kiane	Brown	Bowie State University	Synthesis of C-2 Functionalized Ribofuranosyl Purine Analogues as Potential Antiviral Agents
2	115	Shannon	Brown	Alabama State University	Uterus and Prostate Thanatomicrobiota and their Contribution to Human Decomposition
2	380	Claudia	Brown	University at Albany	How Do Popular Parenting Pages Provide Information on Maternal Health Disparities?
3	32	Ashanti	Brownlow	Tougaloo College	Correlation of Estrogen Receptors with Progression and Racial Disparity of Prostate Cancer
1	458	Chey'Na	Bunch	Norfolk State University	Study of Signal Analysis on the Effects of Space Radiation on the Functionality of the Brain
2	190	Dawanya	Burgess	Clafin University	Hydrothermal Syntheses and Crystal Structures of Molybdenum Tellurites
3	2	William	Burks, IV	Talladega College	Investigation of Cellulose-Beads as an Agricultural 'NanoCAB' Nano - Nutrient (i.e., Cu, Zn, or Mg) Delivery System
1	167	Brianna	Burton	Xavier University of Louisiana	Rapid Detection of Fentanyl Levels via Electrochemical Technique for Point-of-Care Applications
2	116	Princess	Bush	Bennett College	The Creation of Neisseria gonorrhoeae Strains Constitutively Expressing Single Opa Proteins
3	293	Cassandra	Bush	Norfolk State University	Determining the Presence of Bacteriophages in the Elizabeth River Watershed as an Indicator for Water Quality
3	33	Victoria	Buskey	Fralin Biomedical Research Institute at VTC	Identification of MYCN as a Potential Factor for Leukemia
1	51	Mary	Butler	Truman State University	Effects of Exposure to Endocrine Disruptors on Hypothalamic Gene Expression Profiles California Mice
1	235	Ulysses	Butler	Truman State University	Optimizing Edge List to Compressed Sparse Row Representation Conversion with Big Data Sets
3	287	Moriah	Byrd	Savannah State University	The Gulf Stream's Effect on the Variance of Temperature at Cape Hatteras Shelf
3	288	Ahmyia	Cacapit	University of Guam	Fish Species Assemblage Across the Longitudinal Gradient of Neotropical Streams in the Las Cruces Biological Station, Costa Rica
2	117	Dana	Cadet	Bowie State University	Structural Optimization of Protein Phosphatase 1-Targeting HIV-1 Transcription Inhibitor 1E7-03
2	375	Jayla	Caffey	Tuskegee University	Comparison of Psychosocial Wellbeing among African American and Caucasian Metastatic Cancer Survivors
3	149	Breonna	Caldwell	Fort Valley State University	Elucidating the Effects of Iron Toxicity on Peroxisomes in Arabidopsis Thaliana
1	236	Cedric	Caldwell	Alabama State University	Using Genetic Programming to Detect Heart Disease
1	237	Kaejaren	Caldwell	Jarvis Christian College	Using Augmented Reality to Build A Complex Structure of the Drug Molecule (Leuco-Methylthionium) Used in the Treatment of Alzheimer's
1	100	Wendy	Camejo Nunez	Morgan State University	Identification of STX6 and CALML4 as Shear-sensitive Genes: Implication for Hypertension
3	384	Ayanna	Candie	Tennessee State University	The Relation Between Mothers Level of Education, Socioeconomic Status, and a Students Intent to Persist in the STEM Field

1	272	Georgianna	Carmona	University of Puerto Rico Rio Piedras Campus	Characterization of Photosynthetic Pigments by Leaf Age in Different Functional Groups in a Coastal Urban Wetland: Cienaga Las Cucharillas, Cataño, Puerto Rico
1	52	Towanda	Carr	Baltimore City Community College	Testing the Ability of Carbonic Anhydrase CAH3 to Improve Growth in the Green Alga Chlamydomonas reinhardtii
2	191	Jaylon	Carr	Norfolk State University	Quantum Dots for Solar Cell Applications
2	430	Danielle	Carr	Florida State University	Variable Gear Ratio Actuation in Legged Hopping Robots
1	53	Jasmine	Carter	Claflin University	Cardioprotection by Metformin in Diabetic Mouse Coronary Artery Endothelial Cells Exposed to Hypoxia/Reoxygenation
2	192	Frances	Carter	Polk State College	Using the Recrystallization Method to Further Test the Dissolution Rate and Absorption of Drugs, so that New Varieties of Drugs May Be Introduced into the Pharmaceutical Field
3	229	Raekwon	Carter	Virginia Union University	Synthesis of High Water Stable Metal Organic Frameworks for their Application Involving Water Purification
1	238	Keanno	Carter	Polk State College	The Data Integrity of Information Using Hybrid Cryptography
4	259	Ineceia	Carter	Prairie View A&M University	The Responses of Susceptible and Resistant Amaranthus palmeri (Palmer Amaranth) to Acetic Acid as an Organic Herbicide Treatment
3	359	Sergi	Castells	University of Illinois at Urbana-Champaign	Tagging $c\bar{c}$ Events via Hadronic Decay modes of $J/\psi$ at ATLAS
3	34	LeKendric	Castion	Tuskegee University	Myristoylated alanine-rich C-kinase Substrate Peptide as a Therapeutic in Melanoma
3	385	Marqueline	Cenatus	Florida International University	Parental Stress Moderates the Relation between Early Mother-Infant Interactions and Language Development
3	386	Kaitlin	Chacon	University of Colorado Denver	Does Exposure to Combat in Adolescence Effect PTSD Symptomology?
1	273	Adrianna	Chambers	Hinds Community College	Dung Beetle Evaluation on the Campus of the University of Belize: A Study of Biodiversity between Varying Habitats
2	409	Kiara	Chambers	Norfolk State University	The Operation and Analysis of Organic Vapor Jet Printing
2	317	Lauren	Chandler-Holtz	Northwestern University	A Comparison of Simulation-Based Approximate Likelihood Parameter Estimation Methods
2	193	Brenden	Chase	California State University, Bakersfield	Limiting LOX Expression Through the Development of Small Molecule Inhibitors
3	3	Valorie	Chasten	North Carolina Agricultural and Technical State University	Developing a Screening System for Identifying Efficient Inhibitors of the Choline Kinase of Streptococcus Pneumoniae
2	431	Jennifer	Chinen	Kapiolani Community College	Creating a Noise-Cancelling System to Reduce Whale Beaching Events Caused by Ship Noise
3	447	Tytiana	Christmas	Virginia State University	Design and Develop an Electric Wheelchair for People with Arthritis
2	336	Juan Antonio	Cintrón Cruz	University of Puerto Rico, Rio Piedras Campus	Fluorinated Metal Phthalocyanine Nanowires and their Applications in Gas Sensing
3	401	Maya	Clinton	North Carolina Central University	Designing Pulley System for a Mass Testing Platform for Tumbleweed Rover
3	355	Eboni	Collins	Dillard University	Impact of Gaseous Methane Adsorption on the Surface Tension of Liquid Water

2	220	Julie	Colon	University of Puerto Rico - Mayaguez	Selectivity Prediction of CO <sub>2</sub> /N <sub>2</sub> Binary Gas Adsorption on Zeolite Reference Materials
2	410	Carolina	Colon	Florida Institute of Technology	Testing and Analyzing the Mechanical Properties of Wet-electrospun Yarns for Tissue Engineering with Textile Technology
4	179	Jessie	Cook	Fayetteville State University	Pseudo Short Aptamer: Targeting to Cancer Telomerase
1	274	Caleb	Cooper	Tougaloo College	Effects of Predators on Their Prey and the Broader Ecological Communities
2	308	Olive	Cooper	Tougaloo College	Assessment of Water Quality at Ross Barnett Reservoir
1	239	Brandon	Corn	Columbus State University	The Continuous Authentication of Mobile Users through Co-Authentication
3	402	Madeline	Corrigan	Northwestern University	Experimentally Determining Unsteady Fluid Dynamics of a Cyclorotor Blade at Re ~100,000
2	265	Karina	Cortijo-Robles	University of Puerto Rico Rio Piedras Campus	Climate Change May Affect Extinctions Via Altered Plant-Soil Feedbacks
2	194	Maya	Costales	Carleton College	Anisotropic CsPbBr <sub>3</sub> Perovskite Nanorods for Luminescent Solar Concentrators
1	459	Nikkoiya	Cromwell	University of South Florida	Human Phantom Development for Mouth pH Monitoring
2	337	Michael	Cruse	North Carolina Central University	Rapid Imaging of Grain Boundaries in Wafer-Scale Transition Metal Dichalcogenides Films
2	411	Alexxa	Cruz-Bonilla	University of Puerto Rico, Mayaguez	Understanding the Link between Wnt Signalling and Urea Production in Synthetic Liver Organoids
2	195	Ayanna	Culmer-Gilbert	Morgan State University	Microwave Synthesis of Cationic Hybrid-bridged Rhenium Complex
2	196	Brandon	Dabney	Virginia State University	Extracting, Purifying, and Isolating Gnetum Africanum while Testing its Anticarcinogenic Properties
1	275	Erinn	Dady	University of Illinois at Urbana-Champaign	Soil Fertility and Arbuscular Mycorrhiza: Impact on Herbivore Induced Plant Volatiles in Tomato
1	140	Kelly	Damor	Fayetteville State University	A Preterm Birth Case Study: How Healthcare Teams Can Diminish the Existing Racial Disparity
1	88	Merai	Dandouch	California State University Channel Islands	Resolving Phylogenetic Diversity of Pycnogonida
1	480	Brenna	Daniel	Elizabeth City State University	MO <sub>3</sub> P Functionalized Carbon Nanotubes for Volatile Organic Compound Detection
1	101	Heather	Davis	Fayetteville State University	Exploring the Role of Ecdysone Signaling in Drosophila Oocyte Development
3	360	Austin	DeMurley	Suffolk County Community College	Design of Power & Controls Circuits and Experiment Enclosures for Cosmic Ray Muon Detectors
1	54	Nohelly	Derosiers	The City College of New York	The AFD Neurons Regulate Innate Immunity in Caenorhabditis Elegans
2	266	Nidhi	Desai	Cornell University	The Nonlinearity of Carbon Dioxide and Aerosol Forcings
3	289	Jenelle	DeVry	Xavier University of Louisiana	Analyzing the Effects of Grain Size on Activation Energy in Antarctic Sediments
1	474	Kenneth	Distefano	Missouri University of Science and Technology	Effects of Neutron-Induced Displacement Cascades on Helium Bubbles in Tungsten

1	240	Jose	Dixon	Morgan State University	Biomedical Image Region of Interests Detection Based Transfer Learning and Deep Feature Extraction and Classification
2	412	Ama	Dondorful-Amos	University of Connecticut	Development of a Research Surface Model for the Prediction and Optimization of Polymeric Microspheres
1	55	Shaheera	Drummond	Winston-Salem State University	A Look into Musical Variations on Cell Growth and Viability
1	141	Kennedy	Duncan	University of Missouri Columbia	The Effects of Voluntary Wheel Running and Pharmacological Treatment via PD144418 on the Motivational Aspects of Feeding Behavior
1	328	Zahria	Duncan	Tuskegee University	Development of 3D Printing Technique for Chicken Feather Powder Infused Biodegradable Polymer Films
2	17	Dianne	Eboh	Morgan State University	Overexpression of Carbonate Transporter LCI1 to Improve Growth and Biomass Production in the Green Alga Chlamydomonas reinhardtii
2	338	Caressia	Edwards	Fayetteville State University	Sol-gel Electrospinning of UV Sensitive Rare-Earth Doped CaWO4 Nanofibers
3	387	Marwa	Elraey	CUNY Brooklyn College	A Language Attitude Study Exploring Arabic Diglossia in New York City
3	388	Esirioghene	Emeje	University of Missouri-Columbia	Effects of sigma-1 receptor antagonist PD14418 co-administered with opioid [D-Ala2, N-MePHe4, Gly-ol]-enkephalin (DAMGO) on operant responding in male and female rats
3	164	Andreas	Endresen	Elmira College	Using Nipype to Contrast Self-Generated and Externally-Generated Auditory Feedback in the Auditory Cortex
1	460	Ernesto	Enriquez	Florida International University	Fabrication Methods for Robust Origami Antennas
3	427	Bryant	Espino	El Camino College	Characterization of Magnetoelastic Terfenol-D Microdisks for Biomedical Applications
2	432	Carlos	Espino-Mendez	Garden City Community College	Visualization of Wicking of Single-Layer 3D-Printed Porous Structures
2	18	Oriana	Esteves-Ruiz	Indiana University Purdue University Indianapolis	Temperature Effects on UV Photocrosslinking to Antibodies at the Conserved Nucleotide Binding Site
1	428	Kaela	Evans	Washington University in St. Louis	Crystallization studies of B-Al-MFI Zeolites in the Presence of Cationic and Neutral Organic Structure-directing Agents
1	475	Michael	Falodun	Southern University and A&M College	Mechanical and Thermal Characterization of a Hybrid Reinforced Multifunctional Composite Material Manufactured via 3D Printing
3	35	Zhixian	Fan	SUNY University at Albany	The Role of Phosphopantetheine in HER2/neu+ Breast Cancer
2	413	Arafat	Fasuyi	University of Maryland College Park	Towards Development of a Reference Standard Curve for Assessing MSC Potency and Comparability
2	197	Talia	Ferguson	Clark Atlanta University	Carbon Dioxide Adsorption on a Stilbene-based Manganese Metal-Organic Framework
4	348	Alden Andrei	Fernandez	Kapiolani Community College	Applying Vector Analysis with APOLLO Data to Verify the Eccentricity of the Moon's Orbit
4	286	Tyshawn	Ferrell	Albany State University	Determination of the Effects of the lbl1 (leafbladeless1) Mutation on Meiotic Recombination in Maize
3	36	Elizabeth	Ferrer	Florida International University	Effect of Relaxin Signaling on ERBB2-Induced Breast Cancer
2	198	Jessica	Fletcher	Carthage College	NMR Investigation of Micelle Formation by an Amino-Acid Based Biosurfactant

2	339	Shanice	Flournoy	Virginia State University	Organo-silane Functionalized TiO <sub>2</sub> -Ag-SiO <sub>2</sub> Nanoparticles: Substrate for MIP-based Optical Sensors
2	199	Nancy	Flynn	University of Central Florida	Protocol Establishment of Temperature-Based Degradation of Lubricants
2	118	Paola	Fonseca Romero	Universidad Ana G. Mendez	Diagnostic Utility of Multiplex PCR-based Assay on Pleural Fluid of Children with Parapneumonic Empyema.
3	298	Britany	Font	Egerton University of Kenya	Analysis of Nutrient Profile of Finger Millet (Eleusine coracanaL.Gaertn) for Baby Food Formulation Using Pigeon Pea as Protein Source
4	262	Alicia	Fontenot	Texas Southern University	Chlorine and Cadmium Effects on Respiratory Public Health Endpoints in Georgia Counties for 2014
2	340	Emiliette	Forti	University of Puerto Rico in Ponce	Generation of Copper-based Nanoparticles with Modified Surface and their Interaction in Aquatic Environments
1	168	Alexander	Frank	State University of New York at Fredonia	Enantiomeric Peptides as Tools for Understanding Non-specific Protein-Protein Interactions
2	414	David	Frey	Georgia Institute of Technology	Optimization of Synthetic Nanoparticle Antibody Fabrication for Treatment of Systemic Immune Dysregulation
4	261	DeAnte	Fuller	Livingstone College	Extending the life span of a Perovskite Solar Cell
2	382	Kayla	Gamble	Claflin University	Effects of Roundup on Human Developing Neurons
1	169	Iteoluwakishi	Gamu	Howard University	Extraction of Pectin from Musa Acuminate and Protein from Bauhinia Purpurea from Unconventional Sources
3	37	Elijah	Gardner	Kansas State University	An RNAi Screen to Identify Genes Involved in Collective Cell Migration
3	110	Jera'Nae	Garner-Donald	Southern University and A&M College	Foundations in Granulometry and Morphometry in Seismic Imaging
4	349	Sierra	Garza	California State Polytechnic University, Pomona	Digging Deeper: Finding Sub-threshold Compact Binary Merger Events in LIGO Data
1	241	La'Andrea	Gates	Mississippi Valley State University	Development of a Web Application for Computer Science Education
2	415	Eva	Gatune	Louisiana State University	Electrospun Polycaprolactone-Based Patches for Enhancing Cardiac Progenitor Cell Reparative Potential
3	361	Pryor	Gibson	North Carolina Central University	Janssen's Experiment Using Solenopsis invictae
4	137	Mhired	Girma	Alabama A&M University	Metallic Nanoparticle Synthesis by Engineered E. coli Cells Transformed with Metallothionein Gene
1	170	Alexander	Gonzales	California State University, Bakersfield	The Contribution of Hops Oil Extracts on Colon Cancer Cell Growth
3	4	Stephen	Gonzalez	California State University, Fullerton	Determining the Importance of Residues Near the Active Site on Acetyl-CoA Synthase in Moorella thermoacetica
1	102	Carolynn	Gonzalez	Truman State University	Defining the Role of Foxm1 in Tubular Epithelial Proliferation after Ischemic Renal Injury in Vivo
1	461	Briana	Gonzalez	Florida International University	Optimization of Origami Antennas
3	38	Jessica	Graham	Tougaloo College	Influence of Flavonoids in Colon Cancer Cells
2	309	Tione	Grant	University of the Virgin Islands	A Purification Method for Nickel from Seawater for Isotope Analysis
1	142	Daija	Green	Jackson State University	Studies of a Possible Pathway Involving Malic Enzyme 1 (ME1) and NADPH Oxidases (NOX/DUOX) in a Mouse Model of Intestinal Cancer

1	242	Charles	Green	The Pennsylvania State University, PA	Machine Learning Approaches to Predict Learning Outcomes in Online Courses
3	389	Aalayna	Green	Michigan State University	Utilizing Infographics to Communicate Emerging Infectious Diseases to the Public
3	448	Conor	Green	Loyola Marymount University	UAV SLAM and Interior Modeling with 3D LiDAR in GNSS-Denied Environments
3	362	Giraude	Griffin	Texas Southern University	Scatter Radiation Production in First Optical Enclosure of 6-BM Beamline at National Synchrotron Light Source-II
1	89	Amber	Guerra	Glendale Community College	Ant visitation to the Chamaecrista Nictitans and its Role in Plant Herbivory Protection
2	119	Sanjeev	Gurshaney	University of Central Florida	RNA Q $\beta$ Coliphage as a Novel Platform for AuNP Conjugation System to Improve Therapeutic Efficiency
1	90	Kim	Ha	University of Washington	The Chemical Sensing of Disease Vector Mosquito Larvae
1	56	Gabriella	Hahn	SUNY at Fredonia	Inducible Knockdown of Dynein's Cargo-specification Domain
2	376	Martina	Hakim	Tuskegee University	Racial Disparities in Contraceptive Use and the Likelihood of Testing Positive for High-Risk Human papillomavirus (HR-HPV) Infections
2	221	Shelita	Hall	Norfolk State University	Fabrication of Neural Electrodes for Deep-Space Radiation Related Brain Studies
2	433	Kenny	Hall	University of Puerto Rico - Mayaguez	Emerging Materials for Acoustic Panels: Lightweight Concrete Slabs
3	356	Kellyn	Hamilton	Norfolk State University	Clean Energy Project to Characterize Solar Cell Efficiency
2	222	Rachel	Hannah	University of Arkansas at Pine Bluff	Mechanochemical Assisted Deconstruction of Lignocellulosic Biomass on a Pilot Scale to Improve Enzymatic Digestibility and Cellulosic Sugar Yield
3	403	Ashli	Hanson	Tuskegee University	Volumetric Particle Image Velocimetry Measurement over a Delta Wing
2	381	Catherine	Hardwick	Bowie State University	Knowledge, Perception, and Attitude of Sickle Cell Disease among Undergraduate Students of Historical Black College and Universities
2	19	Princesse	Harmon	University of Connecticut	Optimization of Engineered Bone Graft through Surfactant Modulation
2	120	Dalia	Harris	Harris-Stowe State University	Expression of PPAR-gamma receptor in Adult and Neonatal Lungs During a Respiratory Viral Infection
3	150	Bacari	Harris	Fort Valley State University	Root Anatomical Characteristics of a Segregating Switchgrass Population
2	200	Matthew	Harrison	St. Philip's College	Biofuel Production over Metal-Organic Framework Catalysts
2	302	Benicia	Harrison	Alabama A&M University	Genotoxicity Determination of 2,4-Dichlorophenoxyacetic Acid
2	370	Eden	Harrison	Spelman College	A Minority in STEM: A Closer Look at the Effects of Gender and School Setting on Minority Student's Science Identity and Sense of Belonging
1	171	Anna	Hart	The University of Alabama in Huntsville	Correlating Changes in Urine Metabolites and Metabolic Hormones During Insulinitis Onset
3	467	Sophia	Hassan	North Carolina A&T State University	Plant-related Processes During Wastewater Application to Vegetated Systems
2	20	Keith	Hayes	Alabama State University	Fibroblasts Remodel Collagen Matrix in Three-dimensions
1	91	Tayia	Hayes	Mississippi Valley State University	Heat Stress in Megachile Rotundata



1	103	Olivia	Hemond	University of California, Berkeley	Genetic Diversity and Disease Susceptibility: MHC DQB Variation in Northwest Atlantic Harbor Seals
1	476	Raelyn	Henderson	Southern University and A&M College	Study of Fluid Flow in Constrictions for the Measurement of Mechanical Properties of Cells and Droplets
1	243	Fernando	Hernandez	Interamerican University of Puerto Rico at Bayamón	Diesel Consumption Monitoring & Reporting Tool: Business Intelligence at the Arecibo Observatory
2	310	Maria	Herrera	Seward County Community College	Effects of Watershed Land Use on Stream Bank Erosion Rates
3	390	Ana	Herrera	Seward County Community College	The Effects of PTSD on Memory and Recall of Daily Mundane Activities
3	391	Ryan	Herrschaft	Tulane University	HIV Serosorting and Alter-Ego Reporting Discrepancies in Social Network Data Among People Who Inject Drugs
1	276	Flynn	Hibbs	Hampshire College	An Inventory of Pseudoscorpions in the Chihuahuan Desert: A Study of their Diversity and Ecology
4	151	Julie	Hill	St Philip's College	Antibacterial Efficacy of Hibiscus Extracts, Method Standardization for Regional Plants
2	201	Erica	Holland	Fort Valley State University	Determination of L-Lysine by Raman Spectroscopy
3	468	Abib	Hooker	Saint Augustine's University	Vibration Welding of Biocomposites
1	277	Sidonie	Horn	William and Mary	Pulling Your Weight: Parental Investment in Offspring by Northern Pipefish ( <i>Syngnathus fuscus</i> )
1	329	Andrew	Howe	Norfolk State University	Bilayer Thermoelectric Effect and Characterization in Bi <sub>0.4</sub> Sb <sub>1.6</sub> Te <sub>3</sub> and Sb <sub>2</sub> Te <sub>3</sub> films
3	290	Wen Yong	Huang	New York City College Of Technology	Application of Synthetic Aperture Radar (SAR) for Improved Flood Mapping in Malawi
3	39	Zaiya	Hudson	Clark Atlanta University	Characterizing CRISPR-Cas9 mutant cell sequence at ZIC2 on chromosome 13
1	481	Brandon	Illescas	El Camino College	Spin-orbit Torque Switching of Magnetization with Extended and Ultrashort Current Pulses
1	278	Rosebelle	Ines	Humboldt State University	Effects of Beehive Ginger ( <i>Zingiber spectabile</i> ) on Leaf Litter Arthropods Across Forest Types at Las Cruces Biological Station, Costa Rica
2	434	Rashaun	Inman	Savannah State University	Ground Penetrating Radar Research Analysis
3	162	Edna	Irizarry Pagan	Universidad Ana G. Mendez, Carolina campus	Heavy Metals Pollution by Closed Landfill in Toa Alta
2	121	Etinosa	Iyayi	Tuskegee University	Role of the Interferon- $\beta$ in the Immune Response to Chlamydia Infection
3	392	Kaela	Jackson	Spelman College	Leveling the STEM Field: The Investigation of an Online Utilitarian Scientific Literacy Curriculum
3	469	Asia	Jackson	North Carolina Agricultural & Technical University	Assessment of Phytoremediation Processes During Wastewater Application of Food Processing Wastewater
2	223	Elizabeth	Janer Serrano	Ana G. Mendez University	Improvement in Li and Mn rich layered Oxides as Cathode Materials for Li ion batteries
3	393	Jazzmyne	Jefferson	Virginia State University	The Ability of Neurocognitive Functioning to Predict Depressive Symptoms
3	40	Bryan	Jimenez Jose	Universidad Ana G. Mendez / John H. Slater	Understanding the Influence of Extracellular Vesicles (EVs) on Cancer Cell Dormancy

1	57	Gabrielle	Johnson	University of Maryland Eastern Shore	Phenotypic Evaluation of Grapevines Expressing a Transcription Factor for Modified Anthocyanin Biosynthesis
1	58	Shontiana	Johnson	University of Arkansas at Pine Bluff	Biological Control of Grey Mold ( <i>Botrytis Cinerea</i> ) using <i>Pseudomonas</i> Strains
2	202	Cornell	Jones	University of Arkansas at Pine Bluff	A Raman Spectroscopic and Computational Investigation of Hydrogen Bonding in Phenoxyethanol
1	172	Dominique	Joseph	University of Missouri - Columbia	Postnatal Inhibition of Myostatin and Activin-A in the osteogenesis imperfecta murine (oim) model
3	449	Samantha-Michelle	Kanyi	University of Missouri-St. Louis	Visualizing the Laser-Scan and Odometry of a Kuri Robot with JavaScript and Rosbridge
1	59	Kimberly	Karolyi	University of the District of Columbia	<i>Biomphalaria glabrata</i> : The Localization of PIWI in the Brain and Ovotestes of the NMRI (susceptible) and BS90 (resistant) Snail Stocks.
2	371	Kiana	Kasmai	Florida International University	Video Introductions from Authors Can Aid Undergraduate Students in Understanding Primary Scientific Literature
1	60	Chase	Khedmatgozar	California State University Channel Islands	Screening the Effects of Brain Targeting Compounds on Sensory Behavior and Decision-Making in <i>C. elegans</i>
2	318	Lauri	Kight	Southern University	Using Markov Chain to Predict the Income Class Transition
2	21	Destiny	King	Delaware State University	Measuring Basic Strength Properties of Cortical Bones
3	41	Timothy	King	Louisiana State University	Evaluation of Stromal Remodeling Following Chemotherapy in Adipose Derived Stem Cells
1	244	Ethan	Kircher	Lincoln University	Applying the Visual Assessment of Cluster Tendency to Improve Non-negative Matrix Factorization
2	311	Olivia	Komoroski	Savannah State University	Developing Models for Savannah River Stages During Historical Drought Conditions
3	86	Magaleate	Kostelnik	University of Tampa	Climate Change Effects on the Growth and Development of <i>Crassostrea virginica</i> Pediveliger Larvae
1	462	Fernanda	Lago Arroyo	Rice University	Using Social Media for Post-Disaster Infrastructure Assessment
1	92	Dijani	Laplace	University of the Virgin Islands	Population Characteristics of the Velvety Free-Tailed Bat ( <i>Molossus molossus</i> ) at two sites on St. Thomas, United States Virgin Islands
3	5	Tylar	Larkins	Texas Southern University	MCB-613 as a Neuroprotectant for Ischemic Stroke
1	463	Chuong	Le	University of Oklahoma	A Multi-Robotic System for Environmental Cleaning
4	152	KeAndre	Leaks	Fort Valley State University	Analysis of Leaf Metabolites in a Soybean CPR5 Mutant
1	61	Juelle	Lee	University of Maryland College Park	Overexpression of Carbonate Transporter NAR1.2 to Increase Algal Growth
2	319	Daniel	Lemaitre	Savannah State University	Optimized Auto-Navigation on a Google Map Image
2	303	Charles	Lewis	Dillard University	The Lower Nine Assessment of Air Toxicity: What Pollutants are Affecting the Area?
2	304	Diamond	Liles	Norfolk State University	The Impact of Environmental Water Pollution on Pre-metamorphic Tadpole Development
1	143	Alex	Lish	Utah State University	Altered Dopamine Circuit in a Mouse Model of Autism/Macrocephaly Syndrome

3	363	Yuhong	Liu	Rensselaer Polytechnic Institute	Topology and Energetics of Periodic Nodal Surfaces
4	138	Daijah	Lofton	Virginia State University	In Situ Synthesis of Monodisperse Nanoparticle-Embedded Hydrogel
2	22	Mashunda	Longmire	Alabama State University	Hydrogel used for Skin Tissue Engineering
2	122	Cassy	Louis	Oakwood University	Mechanisms of Nanoparticle Modulation of Microbial Responses During Host Cell Invasion
1	93	Lois	Mack	Harris-Stowe State University	Ornamental Mint as a Potential Biological Control of the Invasive Mosquito, <i>Aedes albopictus</i>
2	23	Pranav	Maddula	Washington University in St. Louis	Computational Assessment of Genetic and Geographic Diversity of Mechanosensitive Ion Channels in <i>Arabidopsis thaliana</i>
2	378	Anissia	Maldonado	Bowie State University	Attitudes Towards Utilization of Mental Health Services Among Students At Bowie State University
3	97	Iris	Malone	Fort Valley State University	Morphometric Analysis of Animal Hairs In Forensic Investigation
2	123	Gabrielle	Maloy	Alabama State University	The Postmortem Clostridium Effect in Human Decomposition
1	245	Michael	Mandulak	Salisbury University	Implementation of Improved Parallel Stable Matching Algorithms
1	227	Tamika	Manns	St. Philip's College	Antibacterial Properties of Hibiscus rosa sinensis Leaf Extracts
1	62	Helene	Mantineo	Wheaton College MA	Identifying Non-Coding RNAs as Pro-Regenerative Factors in Zebrafish Tissue Regeneration
3	6	Gygeria	Manuel	Spelman College	Impact of the Inhibition of UCP2 on the Activity and Presence of Amylin in SH-SY5Y Cells
2	63	Veronica	Marin Ponce	Texas State University	Characterizing Satellite Glial Cells in the Peripheral Nervous System
4	153	Evans	Marrero	Xavier University Of Louisiana	An Analysis of Growth Characteristics of Cotton Immature Fiber Mutant, im, Compared with its Near Isogenic wild type, TM-1
2	416	Jordin	Marshall	Ohio State University	Heparan Sulfate Proteoglycans Regulate Cellular Response to Osmotic Load
2	312	Jacquelyn	Martinez	Dodge City Community College	Effects of Flooding on the Patterns of Nutrient Concentrations of Prairie Streams
2	417	Fernando	Martinez	University of Texas at Austin	Investigating Synthetic Hydrogels in Bone Marrow-On-Chip Devices
2	435	Sheri	Marzan	Kapi'olani Community College	Using a Web-Based Digital Sensor System to Track Real-Time Flow Rate to Promote Water Conservation
3	294	Katelyn	Mason	University of Arkansas at Pine Bluff	Characterization of Clostridium perfringens from Rhesus Monkey ( <i>Macaca mulatta</i> ) Samples
2	124	Kelsey	Mathews	Tougaloo College	TLR7 Agonist, Imiquimod, Stimulates Leukocyte Immune-type Receptor Expression in Channel Catfish, <i>Ictalurus punctatus</i>
4	350	Kervin	Mathurin	University of the Virgin Islands	GRB 190202A: A Study of the Most Energetic Cosmic Explosions from the U.S. Virgin Islands
2	341	Justin	Matthews	Dillard University	Inorganic Nanocomposite Films with Polymer Nanofillers made by the Concurrent Multi-beam Multi-target Pulsed Laser Deposition
2	436	Olivia McBride	McBride	New Mexico State University	Bio-degradable Eggshell Polylactic Acid Composite vs Pure Polylactic Acid
3	450	Essence	McClinton	North Carolina A&T State University	Creating a High and Homogeneous Resolution Workspace for SCARA Based 3D Printers

2	125	Jacee	McCoy	Oklahoma State University	Calcium Regulation of Virulence in <i>Pseudomonas Aeruginosa</i>
2	342	Tyler	McCoy	Elizabeth City State University	Enhanced Detection of Volatile Organic Compounds (VOCs) by Caffeine Modified Carbon Nanotube Junctions
4	180	Aungelique	McGhee	Xavier University of Louisiana	Sulfatase Activity Measurement in Human Body Fluids for Point-of-Care Cancer Diagnosis
4	184	Caleb	McIver	Oakwood University	vimF Expression is Essential for <i>Porphyromonas gingivalis</i> W83-Induced Apoptosis in Host Cells
2	267	Lindsey	McKenna	St. Joseph's College	An Evaluation of Pollinator Diversity and Vegetation analysis in the Solar Farm at Brookhaven National Laboratory, Upton, NY
2	258	Kennede	McLeroy-Charles	University of Arkansas at Pine Bluff	The Isolation and Cloning of the GAPDH Gene of <i>Pothos</i>
3	394	Kenton	McNeal	Morehouse College	Confidence is Key: Exploring the relationship of academic self-concept between STEM and non-STEM majors.
2	437	Isaac	Medina	San Antonio College	Hydrogen Fuel-Cell Vehicle Chassis Research & Design
3	7	Bayyana	Melchishua	Bowie State University	Molecular Dynamic Simulation of p97 with Imidazole Analog
2	126	Natalie	Melendez-Velador	Seward County Community College	Interference Competition Among Biovar 1 <i>Agrobacteria</i> from <i>Helianthus Annuus</i> Roots
2	64	Elizabeth	Michaelis	Delaware State University	Swine Thanatomicrobiome at Zero Postmortem Interval
2	65	Taylor	Miller	Howard University	Assessing Microbial Nutrient Regeneration in Selected Coastal Water Bodies in the Central Region of Ghana
3	395	Camryn	Miller	Virginia State University	Examining the Ability of Spirituality to Predict Cardiovascular Activity
2	66	Paola	Miranda	University of Puerto Rico-Cayey	Structure-function Analysis of Dachous Intracellular Domain in <i>Drosophila Melanogaster</i>
2	24	Kaiya	Mitchell	Georgia Institute of Technology	Enhancing Cardiac Differentiation and Potency of hiPSCs using Anisotropic Substrates
2	305	Stefanie	Moncayo	Dominican College of Blauvelt	Distinguishing between Temperature and Humidity Data Artifacts in MicroAeth® Black Carbon Monitors and Generating Data Correction Algorithms
3	127	Gianna	Montanez	Morgan State University	EXPLORING <i>ESCHERICHIA COLI</i> BACTERIOPHAGES AS ALTERNATE TO ANTIMICROBIALS
4	154	Ayanna	Montegut	Prairie View Agricultural and Mechanical University	The Responses of Susceptible and Resistant <i>Amaranthus palmeri</i> (Palmer Amaranth) to Acetic Acid as an Organic Herbicide Treatment
3	8	Miya	Moon	Alabama State University	Selective Expression Patterns of Myosin Light Chain Kinase Isoforms
2	438	Christian	Moreira	University of Maryland College Park	Assessing the Failure Potential of Drainage Structures in Major Flooding Events
3	203	Jillian	Morgan	University of Central Florida	Determining the Variance of Human Hair Features for Forensic Examination
3	299	Keith	Morgan	Fort Valley State University	Improvement of Somatic Embryogenesis and Plantlet Conversion in Alfalfa ( <i>Medicago sativa</i> )
4	155	Luke	Muller	Oklahoma State University	Evaluation of Potential Fodder Sorghum Genotypes for Prussic Acid, Lignin, and Cellulose Content

3	42	Maxime	Munyeshyaka	Carleton College	Invasive Properties of GSCs with known IDH1 Status into Human Cerebral Organoids
3	204	Zachary	Murphy	Truman State University	Siloxy Functionalized Nanoclays and Nanosilica towards Automotive Crashworthiness Applications
3	364	Sarina	Murray	Lincoln University	Importance of Nuclei Quantum Effect on the Hydration Structure of Cl-
3	128	Brandon	Myers	University of the District of Columbia	Enhanced Binding of Non-encapsulated Streptococcus Pneumoniae to Human Corneal Epithelial Cells and Construction of a Mutant Deficient in a Putative Adhesin
1	482	Sepedeh Ariana	Naghibi	University of California, Irvine	Solution-Processed Yttrium Iron Garnet Thin Films as Novel Magnetostrictive Materials
3	396	Saki	Nakai	Oregon State University	A Social Network Analysis of Reciprocal and Non-Reciprocal Support in Labrador, Canada
1	246	Omar	Navarro	New Mexico State University	Analysis of Anomaly Detection Algorithms on Electricity Consumption Time Series
3	365	Hannah	Nelson	North Park University	Studies of Top Quark Decay Kinematics
3	397	Paula	Ngunza	Livingstone College	Delayed Non-Matching To Sample Task (DNMTS) Operant Conditioning
2	67	Hang	Nguyen	Yale University	Liquid-Liquid Phase Separation of Heterochromatin and Nuclear Mechanics
4	181	VIncent	Nguyen	Xavier University of New Orleans	Sulfatase Activity Measurement in Human Body Fluids for Point-of-Care Cancer Diagnosis
3	129	Ashley	Nichols	Chapman University	Molecular Mechanisms for Ligand-Dependent REVERB Activity
3	205	Timothy	Nixon	Winston-Salem State University	Tryptophan as a Promising Auxiliary Binding Group in Thiolated Peptides as Chelators of Mercury(II)
1	144	Amran	Nur	University of Minnesota - Twin Cities	Effect of Interval Training Using Body Weight on Exercise Capacity in Overweight and Obese Sedentary Women
4	182	Dolapo	Nurudeen	Morgan State University	The Synthesis of Formula fac-(CO)3(A-diiimine)ReOC(O)O(CH2)4CH3 Compound
4	183	Ike	Nwadike	Bowie State University	Application of Microwave Synthesis to Produce 3,4 Imidazole Analogs Contributing to the Inhibition of VCP/p97 ATPase
3	43	Eunice	Obi	Lincoln University	Using Massively Parallel Sequencing to Characterize Tumor-Associated Genetic Alterations
1	173	Anonda	o'Brien	Lincoln University	Manganese Ferritin for Hydrogen Peroxide Decomposition
4	9	Chazz	Offord	Norfolk State University	B-IBI in the Elizabeth River
3	130	Whitney	Okoe	Bowie State University	Potential Packaging of New Umbravirus-like RNA by CVEV Coat Protein
1	145	Sumaiya	Olia	California State University, Bakersfield	Endostatin Administration Effects on PECAM-1 of the Medial Prefrontal Cortex in Relation to Estrous Phases
2	233	Ciera	Oliver-Ratcliff	Livingstone College, Department of Mathematics	Analyzing Acoustic Data Using Tree-based Methods
2	247	Elise	Olivolo	Fayetteville State University	Developing Scene Understanding Ability for a Mobile Humanoid Robot
4	156	Odinaka	Onuigbo	University Of Missouri-St. Louis	Yeast One-hybrid Assays for Iron Deficiency Regulatory Networks in Arabidopsis

4	282	Joshua	Ordoñez	Texas A&M University - Kingsville	Analyzing the Effects of Gas Hydrate Dissociation on the Stability of Sand Layers by Means of Strength Homogenization
3	404	Bryce	Outten	Tuskegee University	Mechanical and Tribological Properties of Polyetherimide Nanocomposites
2	68	Rachel	Owusu-Takyi	University at Albany	Combinatorial Treatment of Candidate Small Molecules to Assess the Rescue in Mis-splicing Events and Disease Pathology in Myotonic Dystrophy Type 1-(DM1) Models
3	44	Merilyn	Palmer	Winthrop University	Enhancing Radiation Induced Cell Death in Small Cell Lung Cancer Using Auranofin
1	104	Sanika	Pandit	Chapman University	Chemical Inhibition of Cholesterol Synthesis in Developing Embryos
3	470	Darian	Parker	University of Kentucky	Development of an Algae-based Carbon Capture and Utilization System to Mitigate CO2 Emissions
3	230	Jessica	Parr	Arkansas State University	Adsorption of Catechol and Hydroquinone on the Surface of TiO2
2	69	Crystal	Parry	University of Maryland Baltimore County	IL-1 $\beta$ -VEGF-A Signaling Axis in Atherosclerotic Calcification
3	206	Kylie	Pearce	California State Polytechnic University, Pomona	Effects of the Crystal Packing of Homo-Halogenated Benzenes on Their Electronic Properties
2	248	Frank	Penhallegon	Fayetteville State University	Using a Humanoid Robot to Interpret an Environment
1	226	Christopher	Peoples	Virginia Union University	Isolation of a Bacteriophage from a Grass Sample
4	10	Gilberto	Perez	University of Missouri - Columbia	Biochemical Properties of a Patient Derived Integrase Infected with O1_AE Circulating Recombinant Form HIV-1
3	207	Andrew	Perry	Norfolk State University	Observing the Corrosive Effects of Different Salt Concentrations on Steel Rods in a Dynamic and Static Environment
2	439	Alfonso	Pesqueira	New Mexico State University	Rapid Prototyped Bronze vs Copper Stress Strain Curve Analysis
3	451	Malcolm	Peterson	Benedict College	Artificial Intelligence and Biomimicry for Vehicle Platooning
2	249	Malcolm	Phipps	Prairie View A&M University	Deep Learning With Raspberry Pi
2	343	Sabrina	Pierre	Howard University	Polyethyleneimine-coated Magnetic Nanoparticles for a Cost-effective and Controlled Amoxicillin Delivery System
4	351	Jordina	Pierre	University of the Virgin Islands	UVI GREAT CubeSat Satellite:Gamechanger for Astrophysical Studies
3	291	Shaun	Pollard	New York City College of Technology	Studying Global Lakes Surface Temperature Variability at the Basin Level-Scale Using Remote Sensing Observations
2	70	Adriana	Ponton Almodovar	Pontifical Catholic University of Puerto Rico	Exposure of Hepatocellular Carcinoma cells (HEP-G2) to CdStE Quantum Dots
1	464	Steven	Pringle II	Norfolk State University	A study of Wireless Power Transmission
1	105	Chauncey	Ragin	Fort Valley State University	Gene Knockdown allows regulation of Heterochromatin of Zebrafish Embryos
2	71	Brianna	Ramos	California State University Channel Islands	Odor Dependent Attraction to Catnip Stimuli: 'Not only for Cats'
1	279	Nashali	Ramos Carrasquillo	Universidad Ana G. Mendez, Recinto de Carolina, P.R.	Zinc, Lead and Cadmium Heavy Metal Bioabsorption by the Algae of the Río Tanamá in Puerto Rico

3	398	Alleyah	Ransom	Clafin University	Examining the Use of Complementary and Integrative Health Approaches among African American and White Adults with Heart Failure in the Deep South
2	418	Shawn	Ray	Oklahoma State University	Artificial Muscles in Lightweight Low-cost Exoskeletons for Stroke Rehabilitation
2	25	Victoria	Reyes	Madison Area Technical College	Stiff Substrates Enhance hMSC Survival in Hypoxic Culture
2	313	DeArrius	Rhymes	University of Mississippi	An Assessment of the Water Quality at Steadfast Village, Stann Creek
2	419	Jocelyn	Ricard	Meinig School of Biomedical Engineering, Cornell University	Restoration of Blood Flow Decreases Epileptiform Activity in a Mouse Model of Alzheimer's Disease
1	94	Lillian	Richardson	Norfolk State University	Analyzing The Effect of Bacteria And Enriched Seawater On Concrete
4	157	Rachel	Richardson	California State University Channel Islands	The Effect of Gibberellic Acid on Herbivory in Weedy and Native Radish
2	72	Terra	Riddick	Norfolk State University	Modeling Cancer Treatment Resistance in Yeast using Caffeine Resistance
3	208	Lauktona	Rimpel	University of Central Florida	Determination of Formaldehyde Derivative in Embalming Fluid using Direct Analysis in Real Time?Mass Spectrometry and Solid Phase Microextraction
3	209	Tristen	Rios	Northeast Lakeview (Researched at) Texas State (current)	Synthesis and Characterization of Copper(II) Complexes with Heterocyclic Ligands
3	231	Agnes	Rios	University of Puerto Rico, Rio Piedras Campus	Wetland Water Characterization of Ciénaga Las Cucharillas Natural Reserve
3	210	Kierah	Risdon-Langdon	Winston Salem State University	A Molecular Modeling Study of the Effect of the Tryptophan Indole Group on Mercury(II)-dicysteiny Pentapeptide Complex Formation
3	228	Janel	Rivera	Pontifical Catholic University of Puerto Rico	Synthesis, Optical Properties and Photodegradation Capacity of Methylene Blue for CdS Nanoparticles
2	250	Sydney	Roberson	The University of Missouri- St. Louis	An Exploratory Research Study of Handoffs and Rounds in Critical Care Units
1	106	Britney	Roberts	Harris Stowe State University	The Effect of Cannabidiol on Rhythmic Behaviors of Drosophila Larvae
2	73	Ka'shawn	Robertson	Saint Augustine's University	Characterization of a Plant Decapping and Exribonuclease (DXO1) Protein
2	314	Francine	Robles	California State University, Los Angeles	Major Ion Geochemistry and Storm Water Influence of the Upper and Middle San Gabriel River in Southern California
3	300	Keanu	Rochette-Yu Tsuen	Kapi'olani Community College	Sensitivity of Porites Compressa Corals to Native Hawaiian Plant Scaevola Taccada Extract
2	268	Astrid	Rodriguez	University of Puerto Rico, Rio Piedras Campus	Immune Response of Acropora Cervicornis to Solar Radiation and Sea Surface Temperatures
2	379	Sierra	Rodriguez	St. Philip's College	Observation Learning of the Cap Pushing Response in Honey Bees (Apis mellifera)
2	251	David	Rodriguez-Romero	Winston-Salem State University	Stock Price Prediction using Ensemble Learning
3	366	Marisa	Romanelli	Boston College	Calibrating Piezoelectric Stages to Enable Spatial Resolution of Spin Polarization in WSe2
1	330	Michael	Rose	Fayetteville State University	Polymer Non fullerene Solar Cells using Environmentally Benign Solvents

1	477	Monique	Ross	Virginia State University	Characteristics of Recycled Additive Manufactured Powders
4	11	Leah	Rowe	University of Arkansas at Pine Bluff	Identification of isolevuglandin, a highly reactive lipid dicarbonyl, sites of modification in human apolipoprotein A-I
3	405	Carly	Rowe	University of Wisconsin--Milwaukee	The Exploration of Cosmic Rays and the Expertise of Scintillators
1	174	Nicholas	Rubio	Saint Mary's College of California	Two Methods to Synthesize Photo-Responsive Liquid Crystal Elastomer Thin films
2	320	Adonis	Rucker	North Carolina Agricultural and Technical State University	Mitigating Food Insecurity in North Eastern North Carolina
2	440	Fermin	Ruiz Crespo	Alabama A&M University	A Reliability Analysis Based Approach to Identify Vehicular Crash Potentials of State Highways and County Roads in USA
2	74	Malikia	Saffore	Harris-Stowe State University	Effect of Environmental Pollutant BPA on C. Elegans
2	344	Nana Yaa	Sakyi Opoku	Oakwood University	Analyzing Synergistic Interactions Between Silver Nanoparticles and Antibiotics: Implications for Microbial Growth
2	75	Ruth	Sam	Bowie State University	DNA Barcoding and Biodiversity Assessment of Edible Mushrooms from Grocery Stores in Maryland as Revealed by Internal Transcribed Spacer (ITS) Marker
4	260	Paula	Sanchez-Garzon	Valencia College	The Effect of Mycorrhizae on Organic Fertilizer on Peppers
3	211	Kaya	Sanders	Saint Mary's College of California	Using Oil Bath and Microwave Reactions to Synthesize Liquid Crystal Elastomers
4	352	Kiyomi	Sanders	University of Hawaii Manoa	Verifying the Eccentricity of the Moon's Orbit using Lagrangian
2	321	E'Aysha	Scaife	Virginia State University	Uniform Stabilization of a Nonlinear Fluid Structure Interaction via Interior Feedback Control
1	95	Elsa	Schenk	Truman State University	Effects of Temperature Variation on the Growth, Phenotype, and Survival of Nestling Barn Swallows, <i>Hirundo rustica</i>
1	107	Rajon	Scott	Howard University	Standardizing the Protocol for PCR amplification of CD44 and LRG1
1	465	Ricardo	Sendrea	Florida International University	RF Connectors for Origami Antennas
3	45	Sarah	Shado	Texas Southern University / Indiana University-Purdue University Indianapolis	Enhancing Synthetic Lethality of NQO1 Bioactivatable Drugs by Modulating Cellular nad(p)h Production
4	46	Jusitn	Sharp	Jarvis Christian College	Studying the Effects of Synthesized Palladium Nanoparticles Using Gardenia Jasminoides Fruit Crude Extract on Adenocarcinoma Cervical HeLa Cells
3	212	Terrell	Shields	University of New Orleans	Characterizing Novel Synthetic Cannabinoids via HPLC and Mass Spectrometry
3	406	Brent	Shigano	Kapi'olani Community College	Assessment of the Aerodynamic Performance of Airfoils with Vortex Generator Additions
2	420	Janton	Shorter II	Virginia State University	Additive Manufacturing for Light-Weight Structures
1	108	Ceveta	Sieh	Clark Atlanta University	Multiple Analyses of RNA-Seq data from E006AA cancer cells
3	471	Gerardo	Silva	San Antonio College	2019 Prototype Hydrogen Fuel Cell Vehicle
1	478	Yakeia	Simpson	Alabama State University	Evidence of a Sustainably Sourced Composite Filler



3	85	Amina	Siraj	New Jersey Institute of Technology	Imaging Transport Across Membranes in Individual Bacteria with Second Harmonic Light Scattering: A Comparison of Living vs. Dead Cells
2	441	Brynne	Skoropys	University of Arizona	Towards a Two-Dimensional Mechanical Topological Insulator
2	224	Adrienne	Smiley	Fisk University	Preparation of Poly(arylene ether sulfone) Proton Exchange Composite Membranes using Phosphonated Additives: 2,4,6-Triphosphonicacid-1,3,5-triazine (TPAT) and benzyl phosphonic acid (BP)
4	47	Andre	Smith	The University of Mississippi	KDM5B Levels Determine the Sensitivity to PARP Inhibitor in Prostate Cancer Cells
2	252	Ivy	Smith	Tougaloo College	Predicting the Onset of Diabetes by Applying Machine Learning Algorithms
4	283	Kiwanee	Smith	University of the Virgin Islands	Self-Sufficient Solutions for Island Communities
2	421	Charles	Smith	Morehouse College	Optimizing Electronically Controlled Drug Release for Treatment of Neural Inflammation
4	284	Tori	Spencer	Lincoln University (MO)	The Effect of Simulated Martian Conditions on De Grace Snow Pea ( <i>Pisum sativum</i> ) Productivity
3	213	Deon	St. Jules	University of the Virgin Islands	Assessment of Water Quality in UVI Albert A. Sheen Campus Drinking Water Fountains
3	87	Orian	Stapleton	University of the Virgin islands	Dimensionality Reduction in single cell RNA-seq analysis: Independent Component Analysis as an Alternate Matrix Factorization Technique to Principal Component Analysis
1	280	Madison	Stevens	Oklahoma State University	Quantifying the Shifted Baseline in Breeding Bird Communities for Native American Tribes Relocated to Oklahoma
3	367	Justice	Stewart	Texas Southern University	Scatter Radiation Production in First Optical Enclosure of 6-BM Beamline at National Synchrotron Light Source-II
1	325	Mya	Strickland	Auburn University	Genetically Engineered Virus-derived Nanoparticles for Catalyst Use
3	214	Fatima	Suid	University of the Virgin Islands	Computational Molecular Orbital Analysis for 1,4-Diazabicyclo[2.2.2]octane
1	347	Genesis	Surriel Jaquez	University of Puerto Rico in Ponce	Effect of the Size of Quantum Dots in the Aquatic Toxicity
3	422	Robert	Sutherland	University of Southern California	The Feasibility of a Portable Brain-Computer Interface for Upper Limb Rehabilitation
1	483	Tommy	Swimmer	Fort Lewis College	Particle Image Velocimetry via Optical Time-Sectioning
1	453	Tavon	Tate	Lincoln University	Finite element simulation of head impact in American football using a quasi 2D modeling approach
2	76	Paris	Taylor	Louisiana State University	Development of a Tool for Screening Human 15-LOX-2 for Drug Leads
2	372	Caleb	Taylor	Virginia State University	The Effect of the Engineering Design Process on Preparing Students for College and Beyond
2	77	Solangé	Tchounwou	University of Mississippi	Metformin Treatment Decreases Parasites Burden During Leishmania Infection in Vitro
3	131	Lydia	Tesfaye	Oakwood University	Modulation of Cell Viability and Signaling in Pancreatic Cancer Cells in Response to Mono- and Bimetallic Nanoparticles
3	472	Matthew	Thacker	Savannah State University	Earthquake Resistance Structures & Its Foundations

3	78	Jessica	Thomas	Southern university at New Orleans	Mapping ZIKV glycoprotein E blocker with Q $\beta$ Phage Display
4	354	Christopher	Thompson	Virginia Union University	Time Distribution of four Season Storms recorded in Richmond, VA through the years of 2018-2019.
3	132	Jasmine	Thornhill	Oakwood University	Silver Nanoparticles Can Regulate Biofilm Formation and Survival Strategies of <i>Serratia marcescens</i> , <i>Staphylococcus aureus</i> , and Methicillin-Resistant <i>Staphylococcus aureus</i>
2	345	Arris	Thornton	Alabama State University	Evaluation of Antimicrobial Activity of Polymer Encapsulated Peptides
2	232	Gabriella	Tilahun	Alabama State University	Detecting Lesion in the Brain of Epileptic Patients
3	295	Danielle	Tindall	Norfolk State University	Determining the Ideal Incubation Time for Highest Bacteriophage Yield
3	423	Claire	Tomaw	Harris Stowe State University	Computational Analysis of an Ultrasonic Bioreactor used to Study In Vitro Cellular Responses
4	158	Mykia	Toney	Delaware State University	Regeneration and Oxidative Stress Induction as a Response to Disinfectants in Plant In Vitro Culture
3	215	Aryanne	Torres- Ventura	Universidad Ana G. Mendez- Carolina Campus	Concentration of Heavy Metals in Rio Cibuco at Vega Baja, Puerto Rico
1	96	Francisco	Torres-Torres	University of Puerto Rico at Cayey	Evaluating the Effects of Seasonal-related Changes on the Abundance, Size and Resource Assessment of the Caribbean Hermit Crab
3	79	Rebekah	Townsley	University of Arkansas	Chemical Perturbation of Cholesterol Trafficking in Developing <i>Xenopus</i> Embryos
3	133	Chau	Tran	Texas State University	How Termites and their Gut Bacteria are Affected by Different Ranges of Temperatures
4	12	Kevanice	Traylor	Fort Valley State University	Analyzing Epigenetic Modifications Associated with Changes in Tomato Quality using Methyl-Sensitive Amplification Polymorphism
1	331	Theresa	Tsaggaris	University of Pennsylvania	Polymer Infiltration of Nonporous Gold
3	80	Tarik	Tsegaye	Lincoln University of Pennsylvania	MiR-204/IP3R1 Axis Regulates Hypertension and Vascular Function
2	442	Kyah	Tucker	Virginia State University	Implementation of Virtual Reality & Animation in the Digital Manufacturing Process of Milling using Unity Software
3	424	Abigail	Turcheck	Arizona State University	Machine Learning-Based Data Analysis of Brain Activity in a Longitudinal EEG Study of the Human Creative Process
3	216	Makayla	Turner	Clafin University	Spectroscopy Characterization of Gold Nanoparticles with Proteins
1	429	Agata	Turula	City College of New York	Engineering <i>Bacillus Subtilis</i> to Secrete Collagenase
4	159	Eberechukwu	Ugorji	Bowie State University	Determination of Tannin and Alkaloid Levels in Spider Plant Grown in Various Regions in Kenya
3	425	Daniel	Ulichnie	Wichita State University	Face Spelling as Opposed to Flashing can Improve the P300 Speller
2	253	Tenecious	Underwood	Livingstone College	Automatic Recognition of Frog Calls
2	322	Lucero	Urbietta	Arizona State University	The Impact of Social Media on Depression Among Young Adults
2	26	Cassidy	Valentine	Dillard University	Effect of Ultraviolet Light on the Fracture Pathway of Human Stratum Corneum

1	175	Venessa	Valentine	Alcorn State University	The Effect of Analyte Binding on the Detection of PAH Photosynthesized Oxygen in a Biorelevant Solvent
4	160	Gabrielle	van Genderen	Fort Valley State University	An Efficient In Vitro Plantlet Regeneration from Shoot Tip Cultures of Moringa Oleifera
3	301	Shawn	Vanderpool	South Carolina State University	Phytoremediation of Hexavalent Chromium and Arsenic in Brownfields and Agricultural Land
3	134	Angela	Vang	California State University, Bakersfield	Archaeal involvement in the Nitrogen Cycle: The Ammonia Monoxygenase Gene
3	368	Baldwin	Varner	Norfolk State University	Femtosecond Third-Order Optical Nonlinearity of Topological Insulator Bi1.5Sb0.5Te1.8Se1.2
2	346	Luis	Vazquez	University of Puerto Rico - Rio Piedras, Puerto Rico	Extraction of the Potential Anti- Cancer Peptide (VECYGNRPQF) from Chlorella Vulgaris as a Drug Delivery System
4	186	Juan Carlos	Vazquez Lopez	University of Puerto Rico, Rio Piedras Campus	Catalytic Efficiency and Recoverability of Magnetite Nanoparticles in the Production of Biofuel via Hydrothermal Liquefaction
3	217	Ashley	Vazquez Negron	University of Puerto Rico, Rio Piedras Campus	Ulvan-silica Aerogels for Sensing and Remediation Applications through the Immobilization of Vibrio fischeri
3	296	Nigel	Veney	Norfolk State University	The Application of Microbial Bioremediation on Toxicity of Ammonium Nitrate Pollutant in Aquatic Environments and Organisms
3	426	Nicole	Vigon	University of Wisconsin-Milwaukee	Evaluation of Temporal Spatial Parameters in Children with Hypermobile Ehlers-Danlos Syndrome
3	81	Julia	Villarreal	Missouri State University	Myosin V-mediated Cargo Traffic toward the Trans-Golgi Network and Myosin V implications in Snc-1 exocytosis
2	254	Igor	Vouffo	Texas Southern University	Food Image Classification Using Deep Learning
2	27	Richard	Wagner	Athens Technical College	Optimization of an IDO Potency Assay for Mesenchymal Stem Cells
3	163	Abreione	Walker	Southern University of New Orleans	Analysis of Variations in Nutrient Loads in the Mississippi-Atchafalaya River Basin Loads Delivered to the Gulf of Mexico
2	225	Princess	Walker	Ball State University	Utilizing Dynamic Sulfur Bonds to Modify Polysulfide
3	82	Huddoy	Walters	University of Arkansas at Pine Bluff	Effects of Docetaxel, Doxorubicin and Cyclophosphamide on Cerebellar Synaptic Plasticity
4	353	Kaheem	Walters	University of the Virgin Islands	CubeSat Instrument for Gamma Ray Detection
1	332	Washat	Ware	Fayetteville State University	Photophysics of Two Dimensional Organic Inorganic Perovskites
1	479	Tiarra	Warren	Norfolk State University	Single Crystal Growth of the CuBi2O4 Fermion Material Using the Optical Floating Zone Technique
2	373	Alec	Washington	Grand Canyon University	The Transmission Dynamics of Prescription Opioid Misuse
3	399	Brian	Washington	University of New Orleans	Differences in Patient-provider Communication between Smokers and Nonsmokers
2	255	Kyanie	Waters	Mississippi Valley State University	Mobile Application for Computer Science Courses
2	257	Gabrielle	Watkins	Bethune Cookman University	Machine Learning Techniques Applied to the Data Analysis Focused on Chlorophyll-a Density Forecasting
1	281	Peyton	Watkins	Howard University	Relationship Between Size of Arborescent Organ and Period of Survival Outside of Water

2	28	Corban	Weatherspoon	Delaware State University	Body Composition Analysis Using Bioelectrical Impedance in Humans of Diverse Physical Activity
3	218	Jaden	Webb	Missouri State University	Computational Modeling of Nature's First Step in Rotenone Biosynthesis: Understanding How L-Phenylalanine is Transformed into trans-Cinnamic Acid
4	357	Kory	Wells	Norfolk State University	Fine-Tune The Chemical Potential in MnBi <sub>2</sub> Te <sub>4</sub>
1	176	Allison	Wesel	Carthage College	Molecular Dynamics Simulation Study of Ligand Binding to Variants of the Protein Transthyretin
4	48	Faren	White	Tougaloo College	Garlic Presents a Possibility in the Management of Acute Promyelocytic Leukemia
3	83	Felicia	White	Clark Atlanta University	Role of JunD in Ovarian Cancer Cells: Preliminary Results
1	109	Tiara	White	Delaware State University	Phosphorylation Dynamics Associated with Regulation of Calcineurin, TDP-43, and DARPP-32
3	135	Roderica	White	Alabama State University	Microfluidics Based Liposomal Formulation to Treat Skin Infection Caused by Staphylococcus Aureus
3	374	Lapresha	Whitfield	Bennett College	Tutoring and its Impact on Student Success and STEM Retention: A Longitudinal Study
3	84	Jalen	Wilcher	Delaware State University	Assessment of Protein: DNA Interactions Between the Wild-type CD44-ICD and the MMP-9 Gene Promoter by Chromatin Immunoprecipitation
3	136	Dajah	Wilkins	Virginia Union University	Purification and Amplification of a Phage that Infects Microbacterium foliorum
4	13	Honour	Williams	Dillard University	Elucidating the Impact of Transketolase in Epilepsy
4	49	Rhythm	Williams	Lawson State Community College	Function of Protein Kinase CK2 in B-Cells in the Pathogenesis of Autoimmune Disease
4	139	Jamease	Williams	Tougaloo College	Magnetic Nanostructures Coupled to Antibody Fragments as Novel Probes for Molecular MRI Detection of Toxic Amyloid Beta Oligomers in Alzheimer's Disease
2	256	Justin	Williams	Clark Atlanta University	An Object Detecting Robot
2	323	Jalen	Williams	Savannah State University	Numerical Solutions of Kawahara Type Equations by Fourier Splitting Method
2	324	Micah	Williams	North Carolina A&T State University	Binary Text Emotion Classification on Sentiment Labelled Sentences Data Set (from Online Customers)
3	400	Ariel	Williams	Illinois State University	Maternal Death and High Risk Pregnancy: Evaluation of 17 Maternal Deaths in Cincinnati, Ohio
4	14	Alexis	Willis	San Jose State University	The Combination of AM-6 Crystals with Recombinant E. coli cells for the Production of Hydrogen Gas
4	161	Chandler	Wilson	University of Arkansas at Pine Bluff	Can Irrigation be used to Mitigate High Night-time Temperatures Impacting Rice Production?
3	452	Oshin	Wilson	University of the District of Columbia	Streamflow Prediction Based on Least Square Support Vector Machines.
4	15	Ebony	Wiltz	Texas Southern University	Analyzing and Comparing the Mercury Concentration in Soil and Water Samples of using Inductively Coupled Plasma Mass Spectrometry (ICPMS) and Direct Mercury Analyzer (DMA)

2020 ERN Conference in STEM  
 Washington, D.C. - February 6-8, 2020  
 Washington Wardman Park Hotel  
 Undergraduate Poster Presentation Schedule\*

Poster Presentation Session 1: Friday, Feb. 7 – 10:00am – 12:15pm  
 Poster Presentation Session 2: Friday, Feb. 7 – 4:00pm – 6:30pm  
 Poster Presentation Session 3: Saturday, Feb. 8 – 8:00am – 10:30am  
 Poster Presentation Session 4: Saturday, Feb. 8 – 11:00am – 12:30pm

4	285	Regina	Winston	Clafin University	Utilizing Sorghum Plant to Remove Copper from Aqueous Solutions
2	29	Elias	Wojahn	University of Minnesota	The Effects of CIB2 Protein Mutations on Vestibular Function in a Mouse Model
3	219	Makayla	Wright	Norfolk State University	Structures and Properties of Germanium Clusters Doped with Silver Atoms, Ge <sub>n</sub> Ag <sub>m</sub>
2	306	Glorianna	Wright	Fort Valley State University	Analyzing Microplastics in Freshwater Ecosystems
1	333	Tia	Wright	Fayetteville State University	Impact of Solvent and Fluorination on Aggregation of Conjugated Polymers
2	443	Kevon	Young	Virginia State University	Understanding Digital Machining Through NX Simulation and Programming
2	444	Elena	Youngdale	Macalester College	Tensile Bending Behavior of Hot Mixture Asphalt Modified with PVA Fiber and Crumb Rubber
2	445	Alejandro	Zarate	St. Philip's College	Automated (UGV'S) Unmanned Ground Vehicles
2	30	Litzy	Zelaya	Northeast Lake View Alamo College	Novel Endotracheal Tube Systems

\*Presentation schedule is listed by primary author's last name